

Liquid nitrogen storage system

液氮储存系统

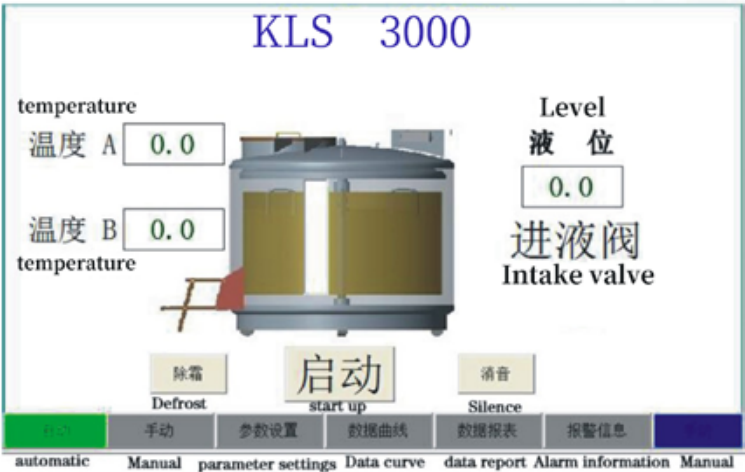
● 液氮生物容器监控系统

本控制系统采用了定制PLC+触摸屏的控制方式，操作简单，系统稳定可靠

系统可实现两种控制模式：手动控制、自动控制基于压差系统对液位进行监测，精度高独特设计可以估计和跟踪液氮消耗情况多达17个的音频/视觉警报系统热气通道保持一个稳定的温度梯度，减少多余的液氮蒸发可存储30000次使用记录，具有10年的存储容量。

Liquid Nitrogen Biological Container Monitor System

- The control system adopts the control mode of customized PLC + touch screen, which is easy to operate and the system is stable and reliable.
- Two control modes can be carried out by the system: manual control, automatic control.
- High-precision monitor based on differential pressure system Unique design to estimate and track liquid nitrogen consumption.
- Up to 17 audio/visual alarm systems.
- The hot gas path maintains a stable temperature gradient and reduces excess liquid nitrogen evaporation.
- Can store 30,000 usage records with ten years of storage capacity.





● 不锈钢容器系列

新型大口径不锈钢液氮生物容器为生物样品提供出色的保护，基于微处理器的温度及液氮液位监控系统严密监控设备运行，确保样品安全。

标配的一体式折叠台阶、辅助工作台以及符合人体工程力学的箱盖设计可确保设备的使用安全性和简便性。

可兼容液氮气相和液相存储模式，即使在长时间开盖状况下也能保证整个箱体内部卓越的温度均匀性及稳定性。

STAINLESS STEEL TANK SERIES

The new wide-neck stainless steel liquid nitrogen bio-tank provides excellent protection for biological samples. The microprocessor-based temperature and liquid nitrogen level monitor system closely monitors equipment operation to ensure sample safety.

The standard integrated folding steps, auxiliary workbench and ergonomic cover design ensure the safety and simplicity of the equipment. Compatible with liquid nitrogen gas and liquid phase storage mode, ensuring excellent temperature uniformity and stability throughout the entire cabinet even under extended opening conditions.

○ 多项人性化设计，操作舒适可锁定箱盖，充分保证样品安全

- 热气旁通功能加注液氮时自动排出管路的氮气，减少对罐体内部温度的影响，保证储存样本安全。
- 多种容量可供选择，最大程度满足您的存储需求单位占地面积上存储更多的样本，真正实现高密度储存，降低存储成本。
- 出色的温度均匀性及稳定性气象储存顶部温度小于-196摄氏度卓越的开盖后温度稳定性，开盖四个小时顶部温度小于-160摄氏度。
- 先进的温度、液位监控及报警系统，并可实现联网监控自动补给液氮，安全省力一键除雾功能，方便查找及取放样品。

Humanization design, comfortable operation lockable cover, fully guarantee the safety of the samples

- The hot gas bypass function automatically discharges nitrogen from the pipeline when liquid nitrogen is injected, which reduces the influence on the internal temperature of the container and ensures the safety of the stored samples.
- A wide range of capacities to choose from, maximizing your storage needs. Store more samples per unit area, truly achieve high-density storage and reduce storage costs.
- Excellent temperature uniformity and stability, gas storage top temperature is less than -196 degrees Celsius. Excellent temperature stability after opening locking cover, top temperature is less than -160 degrees Celsius after opening lacking cover for 4 hours.
- Advanced temperature, liquid level monitor and alarm system, and network monitor to automatically replenish liquid nitrogen, safe and
- labor-saving One-button defogging function makes it easy to find and pick up samples.

CRYOBIO 400

型号CRYOBIO 400

CRYOBIO400系列为小规模高密度储存，为用户提供全自动、安全可靠的超低温液氮储存系统可储存15600-19500个2ML冻存管，托盘底部大容量液氮设计气相储存时，整个储存区域温差不超过10°C，冻存架顶部最低温度可达到-190°C。

The Cryobio 400 series is a small-scale high-density storage, providing users with fully automatic, safe and reliable ultra-low temperature liquid nitrogen storage system, which can store 15600~19500 2ml cryo-tubes. When the large volume of liquid nitrogen at the bottom of the tray is designed for gas phase storage, the temperature difference of the entire storage area does not exceed 10 degrees Celsius, and the lowest temperature of the top of the racks can reach -190 degrees Celsius.

● 产品特点 Features

- 全自动补液系统和热气排放系统
- 标配真空进液软管
- 气相储存，顶部最高-190°C
- 可选可移动单层或双层台阶
- 可选电池备份·五年真空质保

PRODUCT FEATURES

- Automatic rehydration system and hot gas discharge system.
- Standard vacuum inlet hose.
- Gas phase storage, top up to -190°C.
- Optional removable single or double step.
- Optional battery backup.
- Five-year vacuum warranty.



型号	YDD-370-320P/GP	YDD-420-320P/GP	YDD-460-320P/GP
最大储存容量			
1.2、2ml冻存管	15600	18200	19500
方提桶数量 (10*10)	12	12	12
方提桶数量 (5*5)	4	4	4
方提桶层数	12	14	15
性能			
液氮容积 L	370	420	460
托盘以下液氮容积 L	52	55	55
静态液氮保持天数 (气相)	10	11	11
静态液氮保持天数 (液相)	74	84	92
罐体参数			
口径(mm)	320	320	320
有效高度 (mm)	675	780	875
内径 (mm)	730	730	730
总高 (mm)	1245	1353	1450
门宽要求	815	815	815
空重 (kg)	235	225	258
满重 (kg)	536	530	632
血袋容量			
25ml	2322/7/258	2064/8/258	2322/9/258
50ml	768/6/128	898/7/128	1024/8/128
250ml	416/4/104	416/4/104	520/5/104

静态蒸发量和静态保持时间是理论值，实际蒸发量和保持时间将受到使用情况、大气状况和制造公差影响。

Model	YDD-370-320P/GP	YDD-420-320P/GP	YDD-460-320P/GP
Maximum Storage Capacity			
1.2,2ml Cryo-tube	15600	18200	19500
Numbers of Racks(10*10)	12	12	12
Numbers of Racks(5*5)	4	4	4
Layers of Racks	12	14	15
Performance			
Liquid Nitrogen Volume L	370	420	460
Liquid Nitrogen Volume Under the Tray L	52	55	55
Static Hold Time D(Gas Phase)	10	11	11
Static Hold Time D(Liquid Phase)	74	84	92
Parameters of Tank			
Neck Diameter(mm)	320	320	320
Effective Height (mm)	675	780	875
Inner Diameter (mm)	730	730	730
Total Height (mm)	1245	1353	1450
Door-width Requirement	815	815	815
Empty Weight(kg)	235	225	258
Full Weight(kg)	536	530	632
Blood Bags Capacity			
25ml	2322/7/258	2064/8/258	2322/9/258
50ml	768/6/128	898/7/128	1024/8/128
250ml	416/4/104	416/4/104	520/5/104

Static evaporation and static hold time are theoretical values, actual evaporation and retention time will be affected by usage, atmospheric conditions and manufacturing tolerances

CRYOBIO 800

型号CRYOBIO 800

CRYOBIO800系列为中等规模高密度储存，为用户提供全自动、安全可靠的超低温液氮储存系统可储存36400-42000个2ML冻存管，托盘底部大容量液氮设计气相储存时，整个储存区域温差不超过10℃，冻存架顶部最低温度可达到-190℃。

The Cryobio 800 series is a medium-scale high-density storage, providing users with fully automatic, safe and reliable ultra-low temperature liquid nitrogen storage system, which can store 36400~42000 2ml cryo-tubes. When the large volume of liquid nitrogen at the bottom of the tray is designed for gas phase storage, the temperature difference of the entire storage area does not exceed 10 degrees Celsius, and the lowest temperature of the top of the racks can reach -190 degrees Celsius.



● 产品特点 Features

- 全自动补液系统和热气排放系统
- 标配真空进液软管
- 气相储存，顶部最高-190℃
- 标配双层台阶
- 可选电池备份
- 五年真空质保

PRODUCT FEATURES

- Automatic rehydration system and hot gas discharge system.
- Standard vacuum inlet hose.
- Gas phase storage, top up to -190℃.
- Standard double step.
- Optional battery backup.
- Five-year vacuum warranty.

型号	YDD-760-445P/GP	YDD-800-445P/GP	YDD-800-445R/GP
最大储存容量			
1.2、2ml冻存管	36400	39200	42000
方提桶数量 (10*10)	24	24	26
方提桶数量 (5*5)	16	16	16
方提桶层数	13	14	14
性能			
液氮容积 L	730	797	797
托盘以下液氮容积 L	133	133	133
静态液氮保持天数 (气相)	20	20	20
静态液氮保持天数 (液相)	112	118	118
罐体参数			
口径 (mm)	445	445	445
有效高度 (mm)	730	780	780
内径 (mm)	980	980	980
总高 (mm)	1550	1605	1605
门宽要求	1070	1070	1070
空重 (kg)	348	355	355
满重 (kg)	942	1004	1004
血袋容量/血袋架层数/血袋架数量			
25ml	4338/9/482	4338/9/482	4464/9/496
50ml	1488/6/248	1736/7/248	1687/7/241
250ml	812/4/203	812/4/203	768/4/192

静态蒸发量和静态保持时间是理论值，实际蒸发量和保持时间将受到使用情况、大气状况和制造公差影响。

Model	YDD-760-445P/GP	YDD-800-445P/GP	YDD-800-445R/GP
Maximum Storage Capacity			
1.2.2ml Cryo-tube	36400	39200	42000
Numbers of Racks(10*10)	24	24	26
Numbers of Racks(5*5)	16	16	16
Layers of Racks	13	14	14
Performance			
Liquid Nitrogen Volume L	730	797	797
Liquid Nitrogen Volume Under the Tray L	133	133	133
Static Hold Time D(Gas Phase)	20	20	20
Static Hold Time D(Liquid Phase)	112	118	118
Parameters of Tank			
Neck Diameter(mm)	445	445	445
Effective Height (mm)	730	780	780
Inner Diameter (mm)	980	980	980
Total Height (mm)	1550	1605	1605
Door-width Requirement	1070	1070	1070
Empty Weight(kg)	348	355	355
Full Weight(kg)	942	1004	1004
Blood Bags Capacity/Blood bag rack layers / blood bag rack numbers			
25ml	4338/9/482	4338/9/482	4464/9/496
50ml	1488/6/248	1736/7/248	1687/7/241
250ml	812/4/203	812/4/203	768/4/192

Static evaporation and static hold time are theoretical values, actual evaporation and retention time will be affected by usage, atmospheric conditions and manufacturing tolerances

CRYOBIO 1800

型号CRYOBIO 1800

CRYOBIO1800系列为中等规模高密度储存，为用户提供全自动、安全可靠的超低温液氮储存系统可储存79950-94500个2ML冻存管，托盘底部大容量液氮设计气相储存时，整个储存区域温差不超过10°C，冻存架顶部最低温度可达到-190°C。

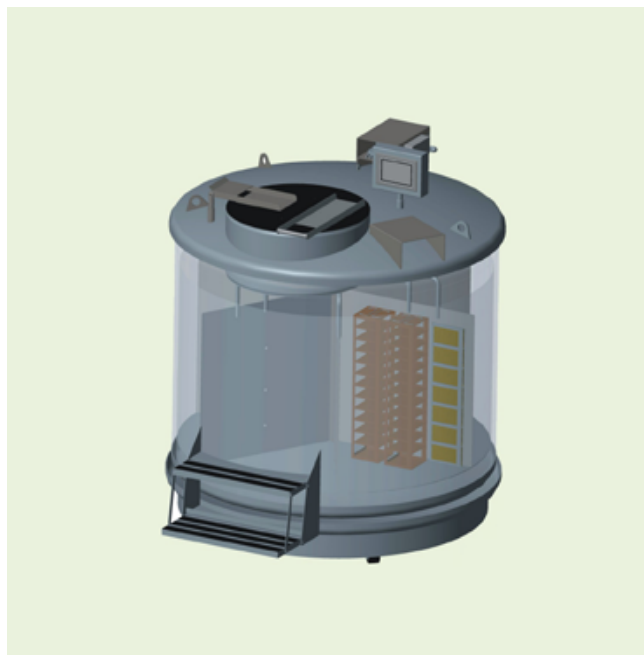
The Cryobio 1800 series is a medium-scale high-density storage, providing users with fully automatic, safe and reliable ultra-low temperature liquid nitrogen storage system, which can store 79950~94500 2ml cryo-tubes. When the large volume of liquid nitrogen at the bottom of the tray is designed for gas phase storage, the temperature difference of the entire storage area does not exceed 10 degrees Celsius, and the lowest temperature of the top of the racks can reach -190 degrees Celsius.

● 产品特点 Features

- 全自动补液系统和热气排放系统
- 标配真空进液软管
- 气相储存，顶部最高-190°C
- 标配双层台阶
- 可选电池备份
- 五年真空质保

PRODUCT FEATURES

- Automatic rehydration system and hot gas discharge system.
- Standard vacuum inlet hose.
- Gas phase storage, top up to -190°C.
- Standard double step.
- Optional battery backup.
- Five-year vacuum warranty.



型号	YDD-1750-635P/GP	YDD-1800-635P/GP	YDD-1800-635R/GP
最大储存容量			
1.2、2ml冻存管	79950	92250	94500
方提桶数量 (10*10)	54	54	60
方提桶数量 (5*5)	30	30	12
方提桶层数	13	15	15
性能			
液氮容积 L	1745	1770	1800
托盘以下液氮容积 L	318	295	295
静态液氮保持天数 (气相)	35	30	30
静态液氮保持天数 (液相)	174	177	177
罐体参数			
口径(mm)	630	630	630
有效高度 (mm)	750	875	870
内径 (mm)	1420	1420	1390
总高 (mm)	1580	1705	1685
门宽要求	1525	1525	1525
空重 (kg)	758	745	805
满重 (kg)	2178	2186	2270
血袋容量/血袋架层数/血袋架数量			
25ml	8622/9/958	10538/11/958	11506/11/1046
50ml	2952/6/492	3936/8/492	3920/8/490
250ml	1584/4/396	1980/5/396	2010/5/402

静态蒸发量和静态保持时间是理论值，实际蒸发量和保持时间将受到使用情况、大气状况和制造公差影响。

Model	YDD-1750-635P/GP	YDD-1800-635P/GP	YDD-1800-635R/GP
Maximum Storage Capacity			
1.2,2ml Cryo-tube	79950	92250	94500
Numbers of Racks(10*10)	54	54	60
Numbers of Racks(5*5)	30	30	12
Layers of Racks	13	15	15
Performance			
Liquid Nitrogen Volume L	1745	1770	1800
Liquid Nitrogen Volume Under the Tray L	318	295	295
Static Hold Time D(Gas Phase)	35	30	30
Static Hold Time D(Liquid Phase)	174	177	177
Parameters of Tank			
Neck Diameter(mm)	630	630	630
Effective Height (mm)	750	875	870
Inner Diameter (mm)	1420	1420	1390
Total Height (mm)	1580	1705	1685
Door-width Requirement	1525	1525	1525
Empty Weight(kg)	758	745	805
Full Weight(kg)	2178	2186	2270
Blood Bags Capacity/Blood bag rack layers / blood bag rack numbers			
25ml	8622/9/958	10538/11/958	11506/11/1046
50ml	2952/6/492	3936/8/492	3920/8/490
250ml	1584/4/396	1980/5/396	2010/5/402

Static evaporation and static hold time are theoretical values, actual evaporation and retention time will be affected by usage, atmospheric conditions and manufacturing tolerances



WIDE-NECK RACK SERIES

大口径方提桶系列

铝合金液氮容器主要由外壳、内胆、颈管、多层绝热体、提筒等组成。容器外壳、内胆采用铝合金板制作，具有重量轻、低温下强度高、耐腐蚀等特点。颈管采用玻璃钢制作，具有机械强度高、导热系数小等特点。

多层绝热体采用反射性能特别优良的铝箔为反射屏，采用导热系数小，放气速率低的材料为隔热材料，以减少热辐射。容器外壳与内胆间的夹层为高真空状态，以防止气体的热对流，并采用在低温状态下吸附量大的吸附剂，以保证容器的性能长期稳定可靠，产品寿命不低于五年。

Aluminum alloy container is composed of outer shell, inner vessel, neck tube, multi-layer thermal isolation, racks etc. The outer shell of the container is made of aluminum alloy plate, which is light weight, high strength at low temperature and corrosion resistance. The neck tube is made of fiberglass which is high mechanical strength and small thermal conductivity.

The multi-layer insulator adopts an aluminum foil with particularly excellent reflection performance as a reflective screen, and a material having a small thermal conductivity and a low gas release rate is used as a heat insulating material to reduce heat radiation.

The interlayer between the outer shell and the inner tank is in a high vacuum state to prevent the heat convection of the gas, and the adsorbent having a large adsorption amount at a low temperature is used to ensure the long-term stability and reliability of the performance of the container, and the product life is not less than five years.

● 大口径方提桶系列

大口径方提桶系列产品结合了低液氮消耗量与中等范围的冻存管容量两方面优势，较大的口径以及方便提取的冻存架方便需要长期储存生物样本且需要频繁提取样品的场合。

WIDE-NECK RACK SERIES

Wide-neck rack series combines the advantages of low liquid nitrogen consumption with medium-range capacity cryo-tube. Larger neck diameter and easy-to-extract racks are convenient for long-term storage of biological samples and frequent sample extraction.



● 产品特点 Features

- 较大的瓶颈开口
- 大容量低液氮消耗量
- 标配安全锁盖
- 高强度，轻量化的铝质结构
- 五年真空质保

PRODUCT FEATURES

- Wider neck Large capacity low liquid nitrogen consumption.
- Safety locking cover.
- High strength, lightweight aluminum structure.
- Five-year vacuum warranty.

大口径方提桶系列								
型号	YDS-30-125	YDS-35-125	YDS-47-127	YDS-50-125	YDS-65-216	YDS-95-216	YDS-120-216	YDS-175-216
最大储存容量								
方提桶数量	6	6	6	6	6	6	6	6
1.2 & 2.0 ml冻存管数量 100格方提桶	-	-	-	-	2400	3000	4200	6000
1.2 & 2.0 ml冻存管数量 25格方提桶	600	750	900	1050	-	-	-	-
层数	4	5	6	7	4	5	7	10
性能								
液氮容积L	30	35	47	50	65	95	120	175
静态蒸发率 L/day	0.33	0.36	0.36	0.36	0.95	0.95	0.95	0.95
静态液氮保存期/d	90	97	131	139	68	100	126	184
外形尺寸								
口径 (mm)	125	125	127	125	216	216	216	216
总高 (mm)	608	627	729	761	770	795	900	959
外径 (mm)	464	464	464	464	665	665	665	665
空重 (kg)	13.1	14.6	15.3	15.8	39	42	45	54
满重 (kg)	39	44	55	58	92	119	142	193

Wide-neck rack series								
Model	YDS-30-125	YDS-35-125	YDS-47-127	YDS-50-125	YDS-65-216	YDS-95-216	YDS-120-216	YDS-175-216
Maximum Storage Capacity								
Numbers of Racks	6	6	6	6	6	6	6	6
1.2,2ml Cryo-tube numbers: 100 racks	-	-	-	-	2400	3000	4200	6000
1.2,2ml Cryo-tube numbers: 25 racks	600	750	900	1050	-	-	-	-
Layers	4	5	6	7	4	5	6	10
Performance								
Liquid Nitrogen Volume L	30	35	47	50	65	95	120	175
Static evaporation rate(L/D)	0.33	0.36	0.36	0.36	0.95	0.95	0.95	0.95
Static Liquid Nitrogen Hold Time(D)	90	97	131	139	68	100	126	184
Dimensions								
Neck Diameter (mm)	125	125	127	125	216	216	216	216
Total Height (mm)	666	722	678	761	728	775	923	1015
Outer Diameter (mm)	452	452	509	509	681	681	681	681
Empty Weight(kg)	19.4	21.6	23.8	24.4	45.7	47.8	70.4	79.1
Full Weight(kg)	39	44	55	58	92	119	142	193

Static mass storage series

静态大容量储存系列

静态大容量储存系列专门针对需要长期静态储存的样本而设计，有大容量或超长保存期两类产品，产品持久耐用、重量轻，制造技术世界领先，并有五年的真空保证等诸多优势。

THE STATIC LARGE-CAPACITY STORAGE SERIES

The static large-capacity series is specially designed for samples that require long-term static storage. There are two types of products with large capacity or long storage period. The products are durable, light weight, world-leading manufacturing technology, and have five years of vacuum warranty and many other advantages.



产品特点 Features

- 设计用于大容量存储
- 低液氮消耗
- 方便轻巧的包装
- 大容量低液氮消耗量
- 标配安全锁盖
- 高强度，低重量的铝质结构
- 五年真空质保

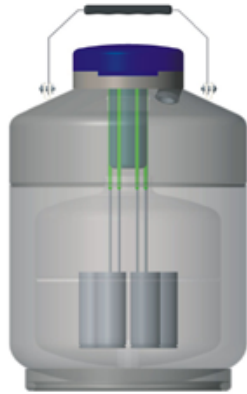
PRODUCT FEATURES

- Designed for large capacity.
- Ultra low evaporation loss.
- Convenient and light packing.
- Large capacity low liquid nitrogen consumption Safety locking cover.
- High strength, lightweight aluminum structure.
- Five-year vacuum warranty.

静态大容量储存系列													
型号	YDS-10-80	YDS-10-125	YDS-13	YDS-15	YDS-15-125	YDS-20	YDS-25	YDS-30	YDS-30-80	YDS-35	YDS-35-80	YDS-50	YDS-50-80
最大储存容量													
规格数量	6	-	6	6	-	6	6	6	6	6	6	6	6
罐管容量 0.5ml	2244	-	1284	792	-	1284	1284	1284	3624	1284	3624	1284	3624
罐管容量 0.25ml	5022	-	2832	1788	-	2832	2832	2832	8460	2832	8460	2832	8460
性能													
容积L	10	10	13	15	15	20	25	30	30	35	35	50	50
静态蒸发率 L/day	0.21	0.42	0.12	0.11	0.36	0.12	0.12	0.12	0.21	0.12	0.22	0.23	0.34
静态液氮保存天数	48	24	109	134	42	168	208	254	147	286	159	213	147
外形尺寸													
口径(mm)	80	125	50	50	125	50	50	50	80	50	80	50	80
总高(mm)	557	554	623	591	589	667	700	648	651	672	675	744	747
外径(mm)	300	300	300	396	396	396	396	451	451	451	451	508	508
罐体高度(mm)	120	-	276	120	-	276	376	276	276	276	276	276	276
罐体直径(mm)	38	-	38	38	-	38	38	38	63	38	63	38	63
重量(kg)	5.9	5.9	6.3	8.5	-	9.6	10.7	13	13.2	14.2	14.5	15.4	15.7

The Static Large-capacity Storage Series													
Models	YDS-10-80	YDS-10-125	YDS-13	YDS-15	YDS-15-125	YDS-20	YDS-25	YDS-30	YDS-30-80	YDS-35	YDS-35-80	YDS-50	YDS-50-80
Maximum Storage Capacity													
Numbers of Containers	6	-	6	6	-	6	6	6	6	6	6	6	6
Storage Working Capacity (0.5ml)	2244	-	1284	792	-	1284	1284	1284	3624	1284	3624	1284	3624
Storage Working Capacity (0.25ml)	5022	-	2832	1788	-	2832	2832	2832	8460	2832	8460	2832	8460
Performance													
Volume L	10	10	13	15	15	20	25	30	30	35	35	50	50
Static evaporation rate (L/day)	0.21	0.42	0.12	0.11	0.36	0.12	0.12	0.12	0.21	0.12	0.22	0.23	0.34
Static Liquid Nitrogen Safe Period (days)	48	24	109	134	42	168	208	254	147	286	159	213	147
Dimensions													
Inlet Diameter (mm)	80	125	50	50	125	50	50	50	80	50	80	50	80
Total Height (mm)	578	578	618	594	594	675	700	648	651	672	675	744	747
Outer Diameter (mm)	300	300	300	396	396	396	396	451	451	451	451	508	508
Container Height (mm)	120	-	276	120	-	276	376	276	276	276	276	276	276
Container Diameter (mm)	38	-	38	38	-	38	38	38	63	38	63	38	63
Weight (kg)	5.9	5.9	6.3	8.5	-	9.6	10.7	13	13.2	14.2	14.5	15.4	15.7

● 便携式小容量系列



便携式小容量系列专为具有小容量需求的用户而设计，主要用于畜牧冻精配种和生物样本的便携式运输。

THE PORTABLE SMALL-CAPACITY SERIES

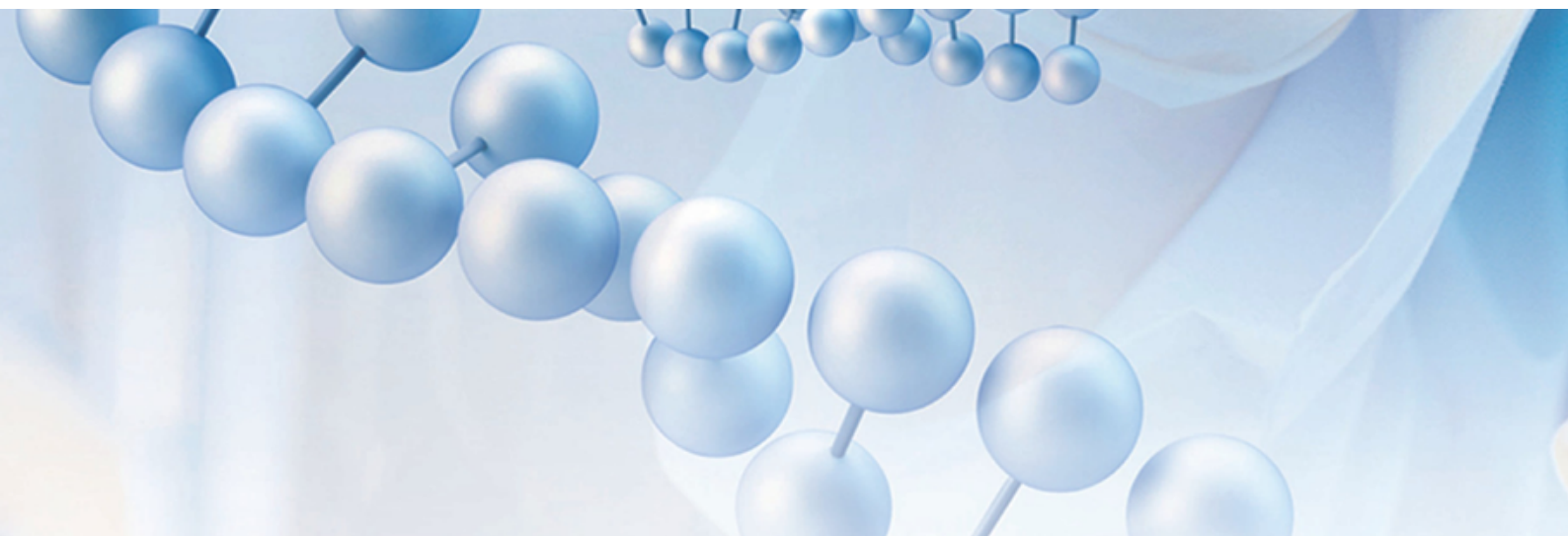
The portable small-capacity series is designed for small capacity users, mainly used for portable transportation of livestock, frozen sperm breeding storage and biological samples.

● 产品特点 Features

- 适用于小容量液相储存
- 液氮挥发量小，维护简单
- 标配安全锁盖
- 高强度，低重量的铝质结构
- 五年真空质保

PRODUCT FEATURES

- Suitable for small capacity liquid storage.
- Low liquid nitrogen evaporability and easy maintenance.
- Standard safety locking cover.
- High strength, low weight aluminum construction.
- Five-year vacuum warranty.



便携式小容量系列						
型号	YDS-2-30	YDS-2-35	YDS-3	YDS-6	YDS-8-80	YDS-10
最大储存容量						
提桶数量	3	3	6	6	6	6
细管容量 0.5ml	90	165	792	792	2244	792
细管容量 0.25ml	204	330	1788	1788	5022	1788
性能						
液氮容积L	2	2	3	6	8	10
静态蒸发率 L/day	0.07	0.08	0.12	0.12	0.21	0.12
静态液氮保存天数	28	24	26	52	38	86
外形尺寸						
口径 (mm)	30	35	50	50	80	50
总高 (mm)	400	428	435	482	502	552
外径 (mm)	223	204	223	300	300	300
提桶高度 (mm)	120	120	120	120	120	120
提桶直径 (mm)	19	25	38	38	63	38
空重 (kg)	2.8	2.6	3.1	4.8	5.9	6

The Portable Small-capacity Series						
Models	YDS 2 30	YDS 2 35	YDS 3	YDS 6	YDS 8 80	YDS 10
Maximum Storage Capacity						
Numbers of Canisters	3	3	6	6	6	6
Straw Holding Capacity 0.5ml	90	165	792	792	2244	792
Straw Holding Capacity 0.25ml	204	330	1788	1788	5022	1788
Performance						
Volume L	2	2	3	6	8	10
Static evaporation rate (L/D)	0.07	0.08	0.12	0.12	0.21	0.12
Static Liquid Nitrogen Hold Time(D)	28	24	26	52	38	86
Dimensions						
Neck Diameter (mm)	30	35	50	50	80	50
Total Height (mm)	402	402	427	468	498	528
Outer Diameter (mm)	197	197	223	300	300	300
Canister Height (mm)	120	120	120	120	120	120
Canister Diameter (mm)	19	25	38	38	63	38
Empty Weight (mm)	3.2	3.2	4.4	5.4	7.2	6.6

● 航空运输系列



航空运输系列适用于深低温环境下（气相储存，温度低于-190℃）运输样本，可避免运输过程中液氮释放的危险，尤其适用于飞机等短时间航空运输。内部有液氮吸附体，可吸收和保存液氮，即使容器倾倒也不会有液氮溢出；还有特殊的不锈钢网筛分隔储存空间和液氮吸收体，可避免液氮吸收体材质混入冻存管内。主要适用于实验室用户和少量样本短时间运输的用户需求。

THE AIR TRANSPORTATION SERIES

The air transportation series is suitable for transporting samples in cryogenic environment (gas phase storage, temperature below -190°C), which avoids the danger of liquid nitrogen release during transportation, especially for short-time air transportation such as airplanes. There is liquid nitrogen adsorbent inside, which can absorb and retain liquid nitrogen.

Even if the container is dumped, there will be no liquid nitrogen overflow.

There is also a special stainless steel mesh screen to separate the storage space and the liquid nitrogen absorbent, which can avoid the liquid nitrogen absorbent material mixed into the cryo-tubes. It is mainly suitable for user needs of laboratory users and a small number of samples for short-term transportation.

● 产品特点 Features

- 气相低温储存
- 快速液氮填充
- 坚固耐用的铝制结构
- 可锁的盖子
- 五年真空质保

PRODUCT FEATURES

- Gas phase cryogenic storage.
- Fast liquid nitrogen filling.
- High strength aluminum structure.
- Lockable cover.
- Five-year vacuum warranty.



航空运输系列				
型号	YDH-3	YDH-8-80	YDH-10-125	YDH-20-216
最大储存容量				
提桶数量	1	1	-	-
细管容量 0.5ml	264	264	-	-
细管容量 0.25ml	596	596	-	-
方提桶尺寸	-	-	76*76	134*134
方提桶层数	-	-	4	4
2ml冻存管	-	-	100	400
性能				
液氮容积L	3	8	10	20
静态蒸发率量 L/day	0.16	0.22	0.43	0.84
静态液氮保存天数	20	35	23	25
外形尺寸				
罐口尺寸 (mm)	50	80	125	216
总高 (mm)	428	510	560	665
外径 (mm)	224	300	300	396
提桶高度 (mm)	276	376	-	-
提桶直径 (mm)	38	63	-	-
空重 (kg)	3.5	5.8	6.9	14

The Air Transportation Series				
Models	YDH 3	YDH 8-80	YDH 10-125	YDH 20-216
Maximum Storage Capacity				
Numbers of Canisters	1	1	-	-
Straw Holding Capacity 0.5ml	264	264	-	-
Straw Holding Capacity 0.25ml	596	596	-	-
Rack Size	-	-	76*76	134*134
Numbers of Rack Layer	-	-	4	4
2ml Cryo-tube	-	-	100	400
Performance				
Volume L	3	8	10	20
Static evaporation rate (L/D)	0.16	0.22	0.43	0.84
Static Liquid Nitrogen Hold Time(D)	20	35	23	25
Dimensions				
Neck Diameter (mm)	50	80	125	216
Total Height (mm)	428	498	528	665
Outer Diameter (mm)	224	300	300	396
Canister Height (mm)	276	276	-	-
Canister Diameter (mm)	38	63	-	-
Empty Weight (mm)	4.4	7.2	5.9	14

● 液氮储存分配系列

液氮储存分配系列是专为少量液氮储存和短距离运输而设计，口径小，蒸发损失率低，是一种高效、方便、经济的储存和分配液氮的方式，操作中可以倾倒、加压排出液氮。

LIQUID NITROGEN STORAGE AND DISTRIBUTION SERIES

The liquid nitrogen storage and distribution series is designed for small liquid nitrogen storage and short-distance transportation. It has small neck and low evaporation loss rate which is an efficient, convenient and economical way to store and distribute liquid nitrogen. It can be dumped during operation. Pressing liquid nitrogen. Liquid nitrogen can be discharged by pouring and pressurizing during operation.

● 产品特点 Features

- 低液氮消耗
- 方便轻巧的包装
- 大容量低液氮消耗量
- 高强度，轻量化的铝质结构
- 5年的真空保证



PRODUCT FEATURES

- Low liquid nitrogen consumption.
- Convenient and light weight packaging.
- Large capacity low liquid nitrogen consumption.
- High strength, lightweight aluminum construction.
- Five-year vacuum warranty.

液氮储存分配系列							
型号	LAB3	LAB6	LAB10	LAB20	LAB30	LAB35	LAB50
性能							
液氮容积L	3	6	10	20	30	35	50
静态蒸发率 L/day	0.12	0.12	0.12	0.12	0.12	0.12	0.23
外形尺寸							
口径 (mm)	50	50	50	50	50	50	50
总高 (mm)	427	471	534	661	648	660	738
外径 (mm)	223	300	300	396	451	451	508
内径 (mm)	160	231	231	296	370	370	420
空重 (mm)	3.1	4.8	5.9	9.5	12.9	13.2	15.4

Liquid Nitrogen Storage and Distribution Series							
Models	LAB3	LAB6	LAB10	LAB20	LAB30	LAB35	LAB50
Performance							
Volume L	3	6	10	20	30	35	50
Static evaporation rate (L/D)	0.12	0.12	0.12	0.12	0.12	0.12	0.23
Dimensions							
Neck Diameter (mm)	50	50	50	50	50	50	50
Total Height (mm)	427	468	528	675	666	722	761
Outer Diameter (mm)	223	300	300	396	451	451	508
Inner Diameter (mm)	160	231	231	296	370	370	420
Empty Weight (mm)	4.0	5.0	6.2	12.6	16.8	17.6	20.4